Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation A-1: 10,000 4-year (up to $20,000 per year) scholarships for science, math and engineering majors to become science and math teachers. Grants of $1 million per year for up to 5 years to institutions of higher education to establish integrated 4-year undergrad programs leading to a bachelor's degree in science, math or engineering with teacher certification. FY 2007, $110 million.	H.R. 4434 tracks A-1 provisions. Establishes program at National Science Foundation (NSF); requires grantees to set up undergrad educational program and provide scholarships. FY 2007, $85 million.	S. 2198 tracks A-1 provisions. Establishes program at Department of Education (DEd); requires awardees to set up undergrad educational program (and requires cost sharing ramping up from 25% to 50%). Establishes scholarship program at NSF. FY 2007, $30 million for DEd, and $50 million for NSF.	No provision.
Recommendation A-2a: One- to two-week summer teacher institutes. FY 2007, $40 million.	H.R. 4434 directs NSF to expand existing Teacher Institutes for the 21st Century program to include one- to two-week summer teacher institutes. FY 2007, $37 million. H.R. 4434 directs DOE to expand existing Laboratory Science Teacher Professional Development program (longer than standard teacher institutes with continued interactions during school year). FY 2007, $3 million.	S. 2197 establishes two-week summer institutes at the DOE National Labs, with emphasis on K-8 teachers. FY 2007, "Such sums as may be necessary"	No provision.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation A-2b: Two-year, part-time master's degree programs for science and math teachers. FY 2007, $46 million.	H.R. 4434 tracks A-2 recommendation by establishing the program at NSF. FY 2007, $200 million (the initial National Academies estimate for the cost of this program, since dropped to $46 million).	S. 2197 tracks A-2 recommendation by directing DEd to award grants to set up master's programs and directs NSF to provide $10,000 annually for five years to teachers who complete a master's degree in math or science and who "undertake increased responsibilities." FY 2007, $200 million.	No exactly equivalent provision, but proposes to attract scientists and engineers to teaching careers (Adjunct Teacher Corps). FY 2007, $25 million.
Recommendation A-2c: Train 70,000 teachers to teach Advanced Placement/International Baccalaureate (AP/IB) courses and 80,000 to teach pre-AP/IB courses in math and science. FY 2007, $100 million.	H.R. 4434 tracks A-2 recommendation by expanding existing Teacher Professional Continuum program at NSF. FY 2007, $92 million.	S. 2198 tracks A-2 recommendation by directing DEd to provide the training. FY 2007, $241 million (requires 1 to 1 matching funds from grant recipient)	Increases existing Department of Education program that supports such teacher training by $90 million for FY 2007.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation A-2d: Provide K-12 curricular materials modeled on world-class standards. FY 2007, $20 million.	H.R. 4434 requires NSF to establish a national panel to identify and collect materials demonstrated to be effective and, in consultation with DEd, to develop ways to disseminate effective materials. It also increases funding authorized for NSF's long-standing Instructional Materials Development activity. FY 2007, $30 million (+$5 million above FY 2006 actual).	S. 2198 requires DEd to establish a national clearinghouse of proven teaching methods and materials. FY 2007, $20 million.	Proposes evaluation of all Federal science education programs ($5 million); establishes national math panel to assess education research needs for math education ($10 million); and proposes to develop and disseminate math educational materials for elementary and middle school students ($250 million). FY 2007, $265 million.
Recommendation A-3: Increase the numbers of students taking AP/IB courses through incentives: rebates of 50% of exam fee and $100 mini-scholarships for each passing score. FY 2007, $76 million.	No provision.	One of S. 2198 provisions for AP/IB teacher training (see above), within the total funding authorized, allows for reimbursement of 50% of student exam fees and allows for scholarships to students who pass (no amount specified).	No provision.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation B-1: Increase Federal funding by 10% annually over seven years for basic research in the physical sciences, engineering, mathematics, and information sciences, and all basic research at DOD. FY 2007, $800 million additional dollars.	H.R. 4596 provides 10% increases per year for five years, based on FY 2006 levels, for the physical sciences, engineering, mathematics, and information sciences at NSF, DOE, NASA, and NIST, and all basic research (6.1) at DOD. FY 2007, $1,785 million ($715 million above FY 2006 total).	S. 2198 authorizes 10% per year increases through FY 2013 for: NASA basic research (FY 2007, $2,768 million); except 8% in the first year; NSF research accounts, except for polar research and integrative activities accounts (FY 2007, $4,195 million); and DOD basic (6.1) research (FY 2007, $1,616 million). $721 million increase above FY 2006 total for 3 activities. S. 2109 doubles the NSF research budget by FY 2011. FY 2007, $6,440 million ($859 million above FY 2006).	Doubles combined budgets of NSF, DOE Office of Science, and NIST over 10 years. FY 2007, $910 million.
Recommendation B-2: Provide 200 early career research grants of $500,000 each over five years through NSF, NIH, DOD, DOE, and NASA. FY 2007, $20 million.	H.R. 4596 tracks B-2 recommendation allocating the funding among the five agencies in proportion to their current funding for the early career program (NSF, 82 grants; NIH, 48; DOE, 36; DOD, 24; and NASA, 10). FY 2007, $20 million.	S. 2198 tracks B-2 recommendation, except only 135 grants through NSF (65 grants), NASA (45) and DOD (25). FY 2007, $13.5 million. S. 2197 tracks B-2 recommendation, except only at DOE (65 grants). FY 2007, $6.5 million.	No provision.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation B-3: Establish National Coordination Office for Advanced Research Instrumentation and Facilities. FY 2007, $500 million.	H.R. 4596 tracks B-3 recommendation, establishing a national coordination office within OSTP and allocating two-thirds of the funding for instrumentation and facilities awards through NSF and one-third through DOE. FY 2007, $500 million.	S. 2198 establishes a national coordination office within OSTP; no new funding authorized	No provision.
Recommendation B-4: Allocate at least 8% of the budgets of federal research agencies to high-risk research.	H.R. 4596 specifies that not less than 8% of funds authorized under the bill for research (see above) be available for high-risk research.	S. 2198 requires OSTP and OMB to consult to ensure each agency allocate 8% of budget for high-risk research.	No provision.
Recommendation B-5: Create in DOE the Advanced Research Projects Agency - Energy (ARPA - E). FY 2007, $300 million.	H.R. 4435 tracks B-5 recommendation. FY 2007, $300 million.	S. 2197 tracks B-5 recommendation. FY 2007, $300 million.	No provision.
Recommendation B-6: Create Presidential Innovation Award. FY 2007, $50 million.	H.R. 4435 establishes an innovation award (a medal) through OSTP.	S. 2198 establishes an innovation award (a medal and cash prize) through OSTP. FY 2007, $1 million.	No provision.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation C-1: 25,000 new four-year scholarships per year to U.S. citizens in STEM fields. FY 2007, $375 million.	No provision.	S. 2197 tracks C-1 recommendation, establishing the program at DOE. FY 2007, $375 million. S. 2109 expands NSF's "Tech Talent" program to increase production of STEM graduates. FY 2007, $35 million.	No provision.
Recommendation C-2: 5,000 new graduate fellowships each year in STEM areas of national need, administered by NSF. FY 2007, $225 million.	H.R. 4596 tracks C-2 recommendation. FY 2007, $225 million.	S. 2197 tracks C-1 recommendation, except the program is administered by DOE. FY 2007, $225 million. S. 2109 provides for 250 new graduate fellowships each year. FY 2007, $34 million.	No provision.
Recommendation C-3: Continuing education tax credit. FY 2007, $500 million.	No provision.	S. 2199 tracks C-3 recommendation. FY 2007, $500 million.	No provision.
Recommendation C-4: Improvement of visa processing for international students and scholars.	No provision.	S. 2198, Sense of Senate resolution.	No provision.
Recommendation C-5: Provide one-year visa extension to international students seeking employment.	No provision.	S. 2198 tracks recommendation; creates new one-year visa.	No provision.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation C-6: Institute skills-based, preferential immigration option. ***Augustine Committee now believes this recommendation satisfied under existing law.***			
Recommendation C-7: Reform current system of "deemed exports".	No provision.	S. 2198, Sense of Senate resolution.	No provision.
Recommendation D-1: Enhance intellectual property protection. FY 2007, $323 million.	No provision.	S. 2198, Sense of Senate resolution. S. 2109, Sense of Congress resolution.	No provision.
Recommendation D-2: Increase Research Tax Credit from 20% to 40% and make permanent. FY 2007, $5100 million.	No provision.	S. 2199 tracks recommendation. S. 2109 makes credit permanent.	Makes credit permanent. FY 2007, $4600 million.
Recommendation D-3: Provide tax incentives for US-based innovation.	No provision.	S. 2199 calls for Treasury study on effect of tax code on innovation. S. 2109 calls for National Academy of Sciences study on barriers to private sector innovation. FY 2007, $1 million.	No provision.

Comparison Chart:
Augustine Report Recommendations with House Bills [Gordon: H.R. 4434, H.R. 4435, H.R. 4596], Senate Bills [PACE: S. 2197, S. 2198, S. 2199]; and [National Innovation Act: S. 2109] and President's American Competitiveness Initiative
(Prepared by Science Committee Democratic Staff)

Augustine Report Recommendations	House Bills [Gordon]	Senate Bills [PACE and National Innovation Act]	President's American Competitiveness Initiative
Recommendation D-4: Ensure ubiquitous broadband Internet access.	No provision.	S. 2198, Sense of Senate resolution.	No provision.